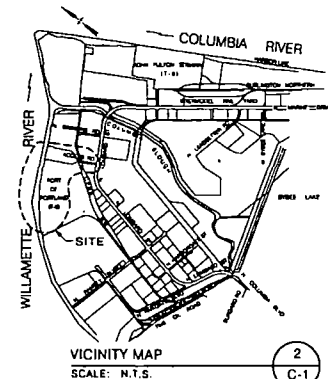


13

USEPA SF

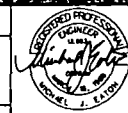


AS CONSTRUCTED

[illegible]

PORT OF PORTLAND
PORTLAND, OREGON


PROJECT MANAGER



DESIGNED BY	M. EATON
DRAWN BY	N. HAID
CHECKED BY	W. HAYNES
DATE	J.E. 1988
SCALE	AS SHOWN

TERMINAL 5
BERTH 503 BANK STABILIZATION
SITE PLAN AND VICINITY MAP

RECEIVED BY Ch. Garton

T5 96-12 1/3 (C-1)

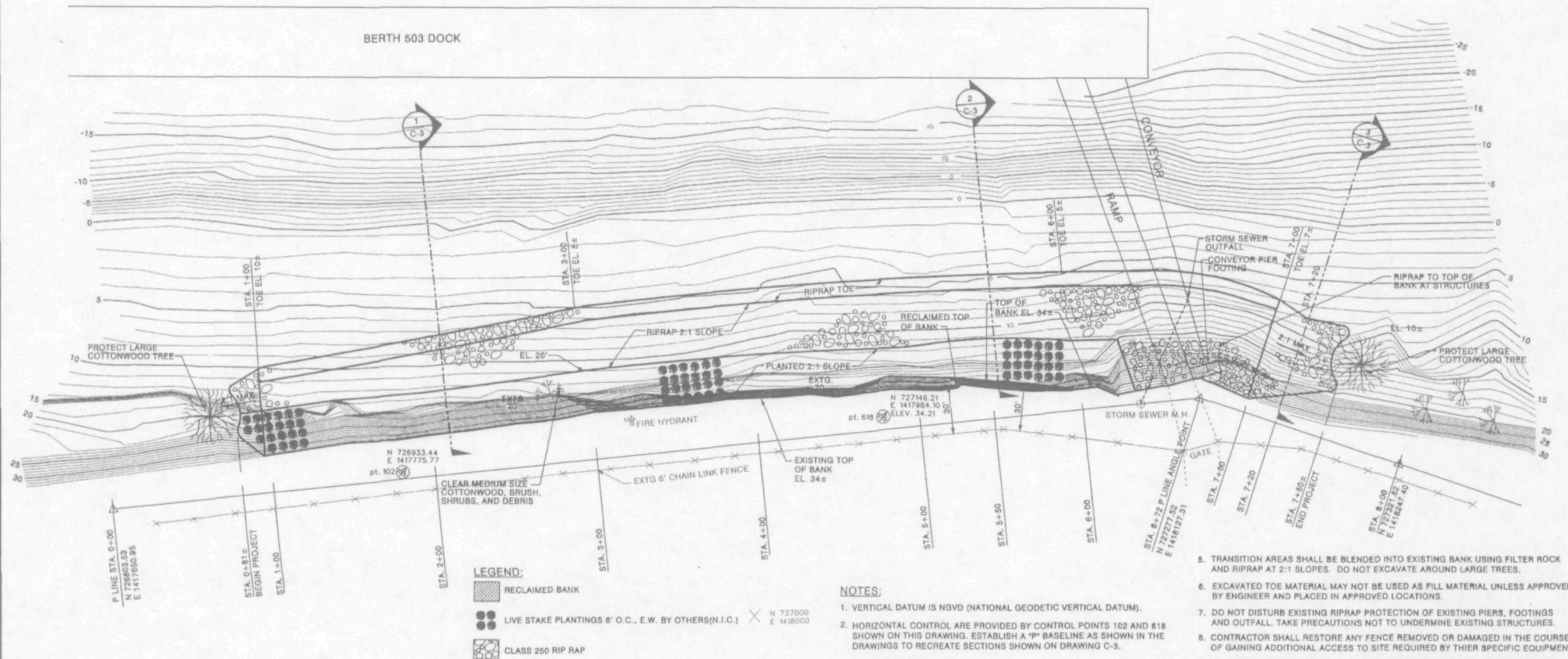
MICROFILMED

WILLAMETTE RIVER



N 727400
E 1417800

BERTH 503 DOCK



LEGEND:

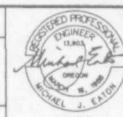
- RECLAIMED BANK
- LIVE STAKE PLANTINGS 6' O.C., E.W. BY OTHERS (N.I.C.)
- CLASS 250 RIP RAP

NOTES:

1. VERTICAL DATUM IS NGVD (NATIONAL GEODETIC VERTICAL DATUM).
2. HORIZONTAL CONTROL ARE PROVIDED BY CONTROL POINTS 102 AND 618 SHOWN ON THIS DRAWING. ESTABLISH A "P" BASELINE AS SHOWN IN THE DRAWINGS TO RECREATE SECTIONS SHOWN ON DRAWING C-3.
3. CONTOUR INTERVAL :1'.
4. WARP SLOPE GRADE AND RIPRAP AS NECESSARY TO ACCOMMODATE THE EXISTING STORM SEWER OUTFALL AT APPROXIMATELY 6+70, 70' LEFT.

5. TRANSITION AREAS SHALL BE BLENDED INTO EXISTING BANK USING FILTER ROCK AND RIPRAP AT 2:1 SLOPES. DO NOT EXCAVATE AROUND LARGE TREES.
6. EXCAVATED TOE MATERIAL MAY NOT BE USED AS FILL MATERIAL UNLESS APPROVED BY ENGINEER AND PLACED IN APPROVED LOCATIONS.
7. DO NOT DISTURB EXISTING RIPRAP PROTECTION OF EXISTING PIERS, FOOTINGS AND OUTFALL. TAKE PRECAUTIONS NOT TO UNDERMINE EXISTING STRUCTURES.
8. CONTRACTOR SHALL RESTORE ANY FENCE REMOVED OR DAMAGED IN THE COURSE OF GAINING ADDITIONAL ACCESS TO SITE REQUIRED BY THEIR SPECIFIC EQUIPMENT.
9. TAKE PRECAUTIONS NOT TO DISTURB LARGE TREES AT EITHER END OF PROJECT.
10. AREAS OF EXISTING VEGETATION DISTURBED BY CONSTRUCTION SHALL BE OVERSEEDDED WITH NATIVE GRASS SEED MIX.

AS CONSTRUCTED
PORT OF PORTLAND
PORTLAND, OREGON



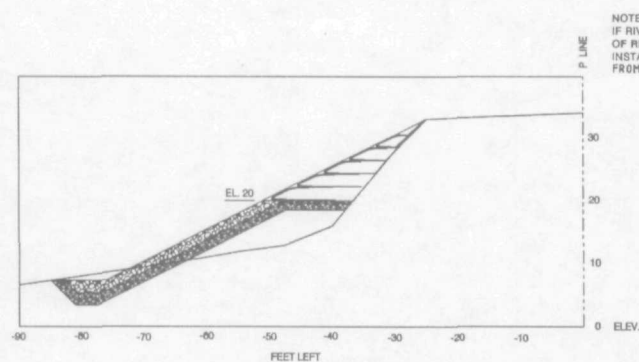
DESIGNED BY: M. EATON
DRAWN BY: M. HEND
CHECKED BY: W. HAYNES
DATE: JULY 1996
SCALE: 1" = 30'

TERMINAL 5
BERTH 503 BANK STABILIZATION
PLAN
SUBMITTED BY: *M. Eaton*
DRAWN BY: *M. Hend*
PROJECT NUMBER: T5 96-12 2/3 (C-2)

NO.	DATE	BY	REVISIONS	OK'D	APP'VD	NO.	DATE	BY	REVISIONS	OK'D	APP'VD

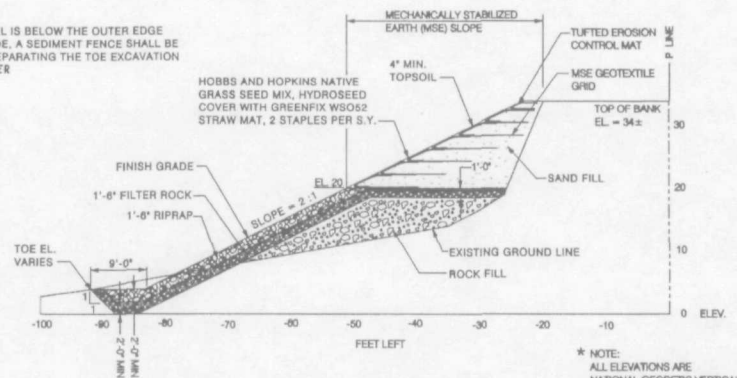
MICROFILMED

NOTE:
IF RIVER LEVEL IS BELOW THE OUTER EDGE
OF RIPRAP TOE, A SEDIMENT FENCE SHALL BE
INSTALLED SEPARATING THE TOE EXCAVATION
FROM THE RIVER



SECTION 2+00
SCALE: 1"=10'

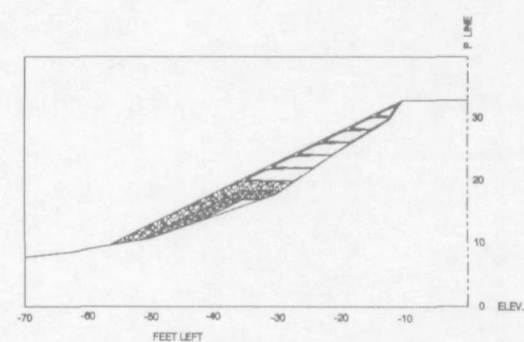
1
C-3



SECTION 5+50
SCALE: 1"=10'

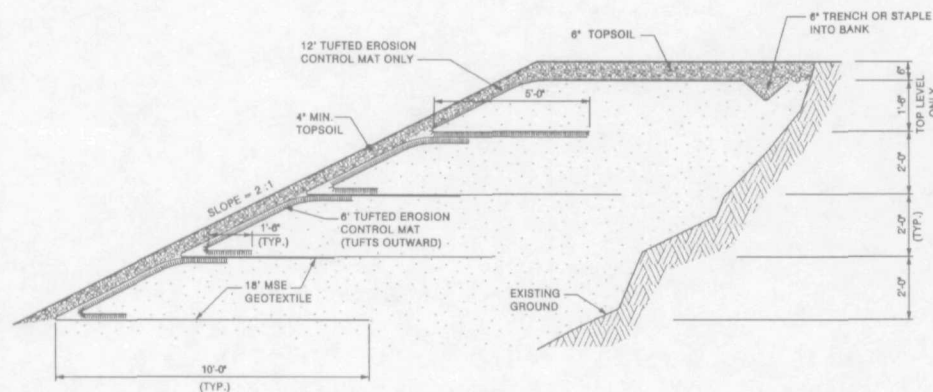
2
C-3

* NOTE:
ALL ELEVATIONS ARE
NATIONAL GEODETIC VERTICAL
DATUM (NGVD)



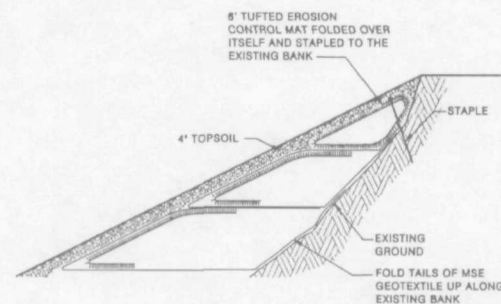
SECTION 7+20
SCALE: 1"=10'

3
C-3



MECHANICALLY STABILIZED
EARTH (MSE) SLOPE DETAIL
SCALE: 1/2"=1'-0"

4
C-3



MSE SLOPE
WITH LIMITED SPACE
SCALE: 1/2"=1'-0"

5
C-3

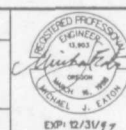
SEED MIXTURE		
COMMON NAME	SCIENTIFIC NAME	RATE (PLS) LBS/AC
BLUE WILDRIE	ELYMUS GLAUCUS	15
NATIVE RED FESCUE	FESTUCA RUBRA	20
NATIVE CALIFORNIA BROME	BROMUS CARINATUS	5
SLENDER WHEATGRASS	AGROPYRON TRACHYCAURUM	5
MEADOW BARLEY	HORDEUM BRACHYANTHERUM	5
SHEEP FESCUE	FESTUCA OVINA	5
MEADOW FOXTAIL	ALOPECURUS PRATENSIS	5
REGREEN, STERILE WHEAT	WHEATGRASS X WHEAT	20

NO.	DATE	BY	REVISIONS	CHKD	APPROV
1	1/22/96	AS	AS CONSTRUCTED		
2	3/1/96	AS	AS BID		



PORT OF PORTLAND
PORTLAND, OREGON

PROJECT MANAGER



DESIGNED BY: M. EATON
DRAWN BY: N. HAD
CHECKED BY: W. HAYNES
DATE: JUL 1995
SCALE: AS SHOWN

TERMINAL 5

BERTH 503 BANK STABILIZATION
SECTIONS AND DETAILS

SUBMITTED BY: M. Eaton
PROJECT NUMBER

DRAWING NO.
T5 96-12 3/3 (C-3)

MICROFILMED